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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/815,313

04/01/2004

Ying Shen

650001-209

7254

58773

7590

09/17/2008

THELEN LLP

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EXAMINER

VUONG, QUOCHIEN B

ART UNIT

PAPER NUMBER

2618

MAIL DATE

DELIVERY MODE

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/815,313	Applicant(s) SHEN ET AL.	
	Examiner Quochien B. Vuong	Art Unit 2618	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 07 July 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-28 is/are pending in the application.
- 4a) Of the above claim(s) 28 is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-23 and 25-27 is/are allowed.
- 6) ☒ Claim(s) 24 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 01 April 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Election/Restrictions

Applicant's election without traverse of Group I (claims 1-27) in the reply filed on 07/07/2008 is acknowledged.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 24 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 24 recited "... using routines (a) and (b) of claims 21 and 22 ..." which is indefinite since routines (a) and (b) are recited in claims 22 and 23, respectively.

Allowable Subject Matter

Claims 1-23 and 25-27 are allowed over the cited prior art.

Regarding independent claims 1 and 10, Bartl et al. (US 6,985,751) disclose a method of calibrating modules of a modular microwave transceiver, a first module of said modules being one of the group consisting of an RF module and IF module comprising determining a calibration table based on temperature and frequency (column 1, lines 27-34). However Bartl et al. fail to disclose the method further comprising the steps of: for a first predetermined number of the first module, determine a composite

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calibration table for the module, the composite calibration table being determined based on over-temperature calibration values across an incremental range of power for an incremental range of frequencies, repeated for an incremental range of temperatures; for a production unit of the first module, determine a unit calibration table for the module, the unit calibration table being determined based on single-temperature calibration values across an incremental range of power for an incremental range of frequencies, interpolated against the composite calibration table.

Regarding independent claim 19, Koh et al. (US 6,289,216) disclose a system for calibrating radio modules from one of the group consisting of an RF module and IF module (figures 1-2), operable in a wide-range microwave transceiver, comprising: a first radio module (100A—C) comprising radio circuitry, the radio circuitry consisting of one of the group of RF transmit, RF receive, IF transmit, and IF receive circuitry; a test signal processing system (200) comprising a signal generator, measuring unit, memory, and a processor and instructions; and a connector operably coupling the first radio module to the test signal processing system (connection between 100A-C and 200) (column 4, lines 39- column 5, line 23). However, Koh et al. fail to disclose the system for calibrating radio modules above wherein the first radio module further comprising a calibration memory; wherein the processor is operably configured to execute the instructions when the test signal processing system is operably coupled to the first radio module; and wherein the instructions are operable for controlling the signal generator to supply a series of test signals to the first radio module, for controlling the radio circuitry to set attenuation values, for controlling the measuring unit to determine characteristics

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of the radio circuitry based on the series of test signals, for determining calibration values based on the series of test signals, attenuation values, and the determined characteristics of the radio circuitry, and for storing the calibration values in the calibration memory of the first radio module.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Quochien B. Vuong whose telephone number is (571) 272-7902. The examiner can normally be reached on M-F 9:30-18:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nay Maung can be reached on (571) 272-7882. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Quochien B Vuong/
Primary Examiner, Art Unit 2618